Author Search

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=> FILE HCAPLUS
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```



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FILE COVERS 1907 - 28 Dec 2007  VOL 148 ISS 1
FILE LAST UPDATED: 27 Dec 2007  (20071227/ED)

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 This file contains CAS Registry Numbers for easy and accurate
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'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> D QUE L9
L3              STR
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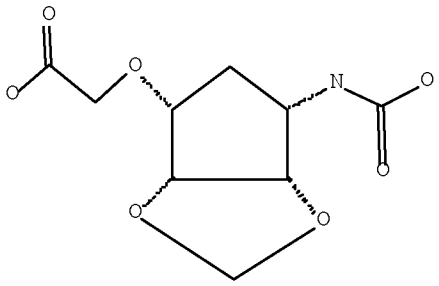

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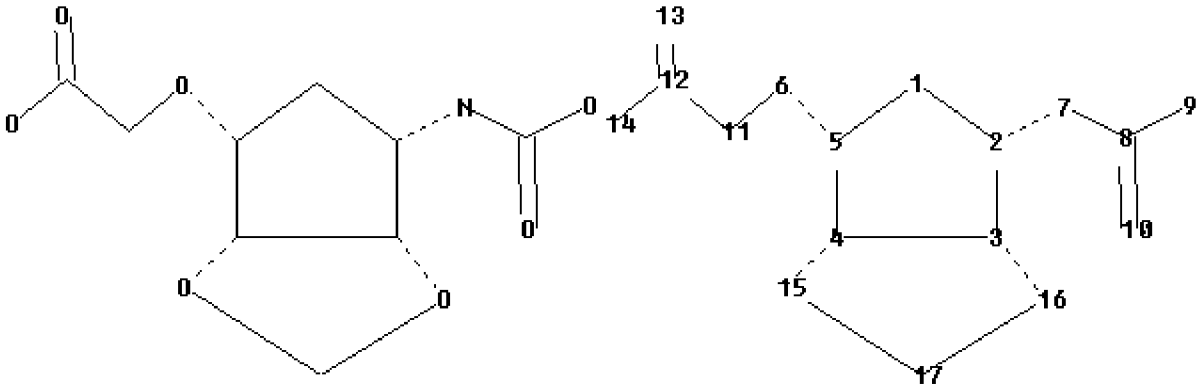

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6  7  8  9  10  11  12  13  14
ring nodes :
1  2  3  4  5  15  16  17
chain bonds :
2-7  5-6  6-11  7-8  8-9  8-10  11-12  12-13  12-14
ring bonds :
1-2  1-5  2-3  3-4  3-16  4-5  4-15  15-17  16-17
exact/norm bonds :
1-2  1-5  2-3  2-7  3-4  3-16  4-5  4-15  5-6  6-11  7-8  8-9  8-10  12-13  12-14
15-17  16-17
exact bonds :
11-12


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS
11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:Atom  16:Atom  17:Atom



L5             1 SEA FILE=REGISTRY SSS FUL L3
L7             1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L5
L8            39 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ABEDI V?/AU
L9             1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8 AND L7


=> FILE WPIX
FILE 'WPIX' ENTERED AT 14:21:54 ON 28 DEC 2007
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FILE LAST UPDATED:                          21 DEC 2007   <20071221/UP>
MOST RECENT THOMSON SCIENTIFIC UPDATE:     200782      <200782/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> IPC Reform backfile reclassification has been loaded to September 6th
    2007. No update date (UP) has been created for the reclassified
    documents, but they can be identified by 20060101/UPIC and
    20061231/UPIC, 20070601/UPIC and 20071001/UPIC. <<<


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http://www.stn-international.com/archive/presentations/DWPIAnaVist2_0710.pdf

 >>> XML document distribution format now available.
                                          See HELP XMLDOC <<<
'BI,ABEX' IS DEFAULT SEARCH FIELD FOR 'WPIX' FILE

=> D QUE L12
L3              STR
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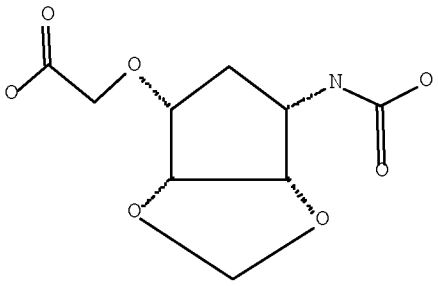

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Structure attributes must be viewed using STN Express query preparation.
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L12            0 SEA FILE=WPIX ABB=ON  PLU=ON  L8 AND L11


=> DUP REM L9 L12
L12 HAS NO ANSWERS
FILE 'HCAPLUS' ENTERED AT 14:22:13 ON 28 DEC 2007
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FILE LAST UPDATED: 27 Dec 2007  (20071227/ED)

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 substance identification.
'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE
PROCESSING COMPLETED FOR L9
PROCESSING COMPLETED FOR L12
L17            1 DUP REM L9 L12 (0 DUPLICATES REMOVED)
                 ANSWER '1' FROM FILE HCAPLUS

=> D IBIB ED ABS HITSTR L17 1

L17  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:1106856  HCAPLUS  Full-text
DOCUMENT NUMBER:          143:387014
TITLE:                    Chemical process for preparing cyclopenta-1,3-dioxane
                          derivatives
INVENTOR(S):              Abedi, Vahak
```
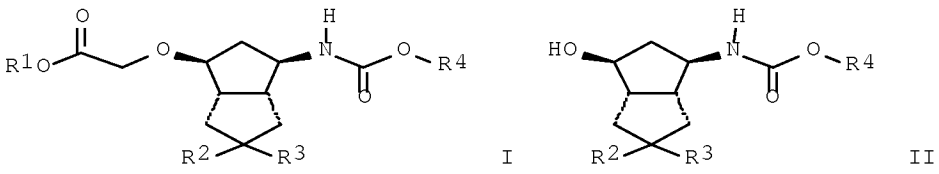

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited
SOURCE: PCT Int. Appl., 9 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095377	A1	20051013	WO 2005-GB1200	20050329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005227730	A1	20051013	AU 2005-227730	20050329
CA 2560231	A1	20051013	CA 2005-2560231	20050329
EP 1732916	A1	20061220	EP 2005-729705	20050329
EP 1732916	B1	20070718		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV				
CN 1938290	A	20070328	CN 2005-80010283	20050329
AT 367384	T	20070815	AT 2005-729705	20050329
BR 2005009324	A	20070904	BR 2005-9324	20050329
JP 2007530651	T	20071101	JP 2007-505628	20050329
IN 2006DN05353	A	20070713	IN 2006-DN5353	20060915
MX 2006PA11231	A	20061129	MX 2006-PA11231	20060929
US 2007197805	A1	20070823	US 2006-599463	20060929
NO 2006004882	A	20061026	NO 2006-4882	20061026
HK 1099295	A1	20071123	HK 2007-106450	20070614

PRIORITY APPLN. INFO.: SE 2004-873 A 20040331
WO 2005-GB1200 W 20050329

OTHER SOURCE(S): CASREACT 143:387014
ED Entered STN: 14 Oct 2005
GI



AB The present invention provides a process for the preparation of a cyclopenta-1,3-dioxane I [R1 = alkyl; R2 and R3 independently = alkyl; and R4 = alkyl or benzyl (wherein the Ph ring of benzyl is optionally substituted by nitro, S(O)2(alkyl), cyano, alkyl, alkoxy, C(O)(alkyl), N(alkyl)2, CF3 or OCF3)]; the

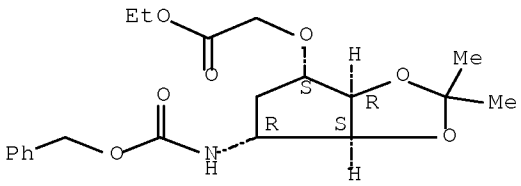
process comprising reacting a compound of formula II, with a suitable base; and reacting the product so formed with R1OC(O)CH2X, wherein R1 is as defined above and X is chloro, bromo or iodo; wherein the process is carried out in a suitable solvent at a temperature in the range -40°C to -5°C; and wherein at least 0.2 mol of the compound of formula II are used in the process.

IT 866551-95-3P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(chemical process for preparing cyclopenta-1,3-dioxane derivs.)

RN 866551-95-3 HCAPLUS

CN Acetic acid, [[(3aR,4S,6R,6aS)-tetrahydro-2,2-dimethyl-6-[[(phenylmethoxy)carbonyl]amino]-4H-cyclopenta-1,3-dioxol-4-yl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Structure Search

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MOST RECENT THOMSON SCIENTIFIC UPDATE:     200782      <200782/DW>
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http://www.stn-international.com/archive/presentations/DWPIAnaVist2_0710.pdf

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=> D QUE L20
L3              STR
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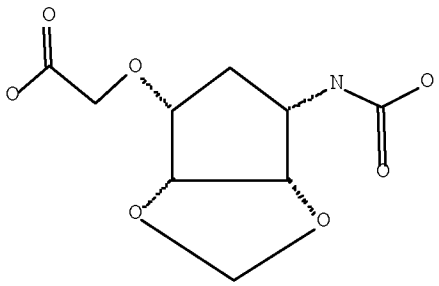

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Structure attributes must be viewed using STN Express query preparation.
L11           1 SEA FILE=WPIX SSS FUL L3
L20           1 SEA FILE=WPIX ABB=ON  PLU=ON  L11/DCR


=> FILE MARPAT
FILE 'MARPAT' ENTERED AT 14:29:15 ON 28 DEC 2007
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FILE CONTENT: 1961-PRESENT VOL 147 ISS 26 (20071221/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

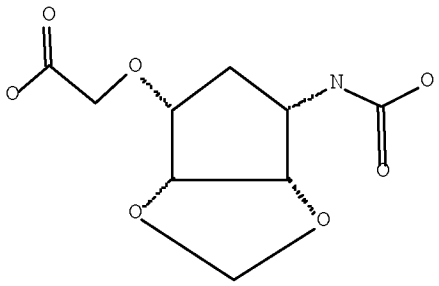
MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2007270387 22 NOV 2007
DE 102007020009 31 OCT 2007
EP 1849853 31 OCT 2007
JP 2007294323 08 NOV 2007
WO 2007129745 15 NOV 2007
GB 2437429 24 OCT 2007
FR 2900574 09 NOV 2007
RU 2309952 10 NOV 2007
CA 2584745 13 OCT 2007

Expanded G-group definition display now available.

Effective December 15th the iteration and answer limits in MARPAT have increased from 100,000 to 200,000 for both on-line and batch searches. For more information on MARPAT search limits, type HELP SLIMITS at an arrow prompt.

=> D QUE L16
L3 STR



Structure attributes must be viewed using STN Express query preparation.
L16 1 SEA FILE=MARPAT SSS FUL L3

=> FILE HCAPLUS
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FILE COVERS 1907 - 28 Dec 2007 VOL 148 ISS 1
FILE LAST UPDATED: 27 Dec 2007 (20071227/ED)

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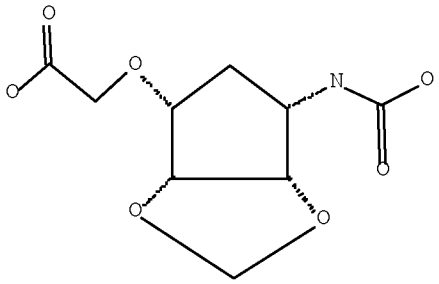
'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> D QUE L7
L3   STR



Structure attributes must be viewed using STN Express query preparation.
L5   1 SEA FILE=REGISTRY SSS FUL L3
L7   1 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

=> S L7 NOT L9
L21   0 L7 NOT L9

=> DUP REM L16 L20
FILE 'MARPAT' ENTERED AT 14:29:44 ON 28 DEC 2007
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PROCESSING COMPLETED FOR L16
PROCESSING COMPLETED FOR L20
L22   2 DUP REM L16 L20 (0 DUPLICATES REMOVED)
                ANSWER '1' FROM FILE MARPAT
                ANSWER '2' FROM FILE WPIX

=> D IBIB AB QHIT L22 1; D IBIB AB HITSTR L22 2

L22 ANSWER 1 OF 2 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 136:6298 MARPAT Full-text
TITLE: Preparation of Novel triazolo pyrimidine compounds as
                         pharmaceuticals
INVENTOR(S):   Larsson, Ulf; Magnusson, Mattias; Musil, Tibor;

Palmgren, Andreas
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001092263	A1	20011206	WO 2001-SE1241	20010531
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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EP 1299390	A1	20030409	EP 2001-937111	20010531
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001011319	A	20030603	BR 2001-11319	20010531
JP 2003535093	T	20031125	JP 2002-500876	20010531
HU 2003002345	A2	20031128	HU 2003-2345	20010531
HU 2003002345	A3	20071029		
EE 200200669	A	20040615	EE 2002-669	20010531
NZ 522637	A	20040924	NZ 2001-522637	20010531
CN 1680340	A	20051012	CN 2005-10059452	20010531
AU 2001262876	B2	20070301	AU 2001-262876	20010531
RU 2295526	C2	20070320	RU 2002-135596	20010531
US 2003148888	A1	20030807	US 2002-275560	20021107
US 7067663	B2	20060627		
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NO 324266	B1	20070917		
MX 2002PA11793	A	20030410	MX 2002-PA11793	20021128
BG 107333	A	20030731	BG 2002-107333	20021128
US 2006041132	A1	20060223	US 2005-255838	20051024
IN 2005MN01389	A	20070615	IN 2005-MN1389	20051213
US 2007049755	A1	20070301	US 2006-591464	20061102
AU 2007200776	A1	20070315	AU 2007-200776	20070216

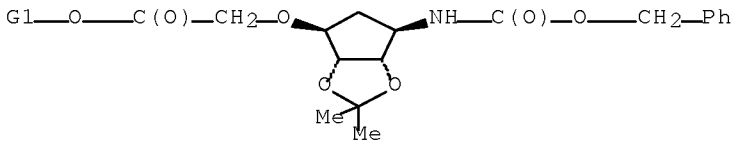
PRIORITY APPLN. INFO.:
GB 2000-13488 20000602
SE 2000-2102 20000606
AU 2001-262876 20010531
CN 2001-810564 20010531
WO 2001-SE1241 20010531
US 2002-275560 20021107
IN 2002-MN1610 20021114
US 2005-255838 20051024

OTHER SOURCE(S): CASREACT 136:6298

AB The present invention relates to the preparation of pyrimidine compds., e.g. I, useful as pharmaceutical intermediates, to a process for preparing the pyrimidine compds., to intermediates used in the process, and to the use of said pyrimidine compds. in the preparation of pharmaceuticals, e.g. II. Thus, II was prepared from the coupling of 4,6-dichloro-2-(propylsulfanyl)-5-

pyrimidinamine and 2-{[(3aR,4S,6R,6aS)-6-amino-2,2-dimethyltetrahydro-3aH-cyclopenta[d][1,3]-dioxol-4-yl]oxy}-1-ethanol L-tartaric acid salt, hydrogenation of the resulting carbocyclic nucleoside I using a heavy metal catalyst, coupling with trans-2-(3,4-difluorophenyl)cyclopropanamini um (2R)-2-hydroxy-2-phenylethanoate, and deprotection.

MSTR 3



Patent location: claim 8

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2006-512671 [52] WPIX
DOC. NO. CPI: C2006-160407 [52]
TITLE: Preparation of alkoxycarbonylmethoxy cyclopentanes, useful as an intermediate in the preparation of triazolo (4,5-d)pyrimidine cyclopentanes, comprises reacting cyclopentane compounds with base followed by reaction with ester compounds
DERWENT CLASS: B02
INVENTOR: ABEDI V
PATENT ASSIGNEE: (ASTR-C) ASTRAZENECA AB; (ASTR-C) ASTRAZENECA UK LTD
COUNTRY COUNT: 108

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2005095377	A1	20051013	(200652)*	EN	9[0]	
NO 2006004882	A	20061026	(200680)	NO		
EP 1732916	A1	20061220	(200702)	EN		
AU 2005227730	A1	20051013	(200720)	EN		
KR 2006133046	A	20061222	(200742)	KO		
MX 2006011231	A1	20061201	(200743)	ES		
EP 1732916	B1	20070718	(200748)	EN		
CN 1938290	A	20070328	(200752)	ZH		
US 20070197805	A1	20070823	(200757)	EN		
DE 602005001704	E	20070830	(200761)	DE		
BR 2005009324	A	20070904	(200762)	PT		
IN 2006DN05353	P1	20070713	(200768)	EN		
JP 2007530651	W	20071101	(200780)	JA	9	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2005095377	A1	WO 2005-GB1200	20050329
AU 2005227730	A1	AU 2005-227730	20050329
BR 2005009324	A	BR 2005-9324	20050329
CN 1938290	A	CN 2005-80010283	20050329
DE 602005001704	E	DE 2005-602005001704	20050329
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JP 2007530651	W	WO 2005-GB1200	20050329
JP 2007530651	W	JP 2007-505628	20050329

FILING DETAILS:

PATENT NO	KIND		PATENT NO	
DE 602005001704	E	Based on	EP 1732916	A
EP 1732916	A1	Based on	WO 2005095377	A
AU 2005227730	A1	Based on	WO 2005095377	A
KR 2006133046	A	Based on	WO 2005095377	A
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EP 1732916	B1	Based on	WO 2005095377	A
DE 602005001704	E	Based on	WO 2005095377	A
BR 2005009324	A	Based on	WO 2005095377	A
JP 2007530651	W	Based on	WO 2005095377	A

PRIORITY APPLN. INFO: SE 2004-873 20040331

AB WO 2005095377 A1 UPAB: 20071024

NOVELTY - Preparation of alkoxycarbonylmethoxy cyclopentane compounds (I) comprises reacting cyclopentane compounds (II) (at least 0.2 moles) with a suitable base followed by reaction with ester compounds (III) in the presence of a solvent at -40 to -5degreesC.

DETAILED DESCRIPTION - Preparation of alkoxycarbonylmethoxy cyclopentane compounds of formula (I) comprises reacting cyclopentane compounds of formula (II) (at least 0.2 moles) with a suitable base followed by reaction with ester compounds (III) of formula (R1OCOCH2X) in the presence a solvent at -40 to -5degreesC.

R1-R3 = 1-6C alkyl;

R4 = 1-6C alkyl or benzyl (phenyl ring of benzyl is optionally substituted with nitro, S(O)2(1-4C alkyl), CN, 1-4C alkyl, 1-4C alkoxy, C(O)(1-4C alkyl), N(1-6C alkyl)2, CF3 or OCF3); and

X = Cl, Br or I.

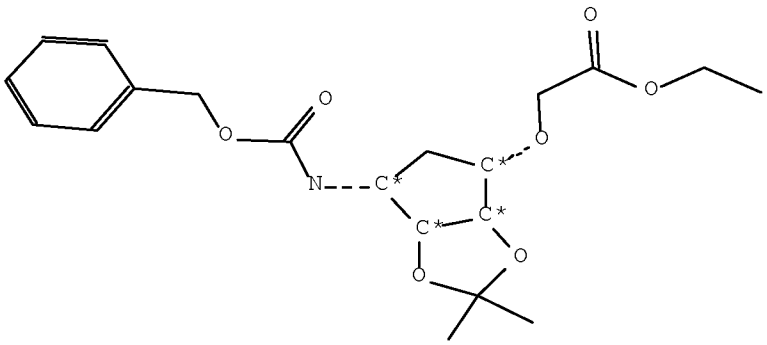
USE - Compounds (I) are useful as an intermediate in the preparation of pharmaceutically active triazolo (4,5-d)pyrimidine cyclopentanes.

ADVANTAGE - The process produces a good yield of (I) and minimize the products of the unwanted side reactions.

AN.S DCR-1169090

CN.S ((3aR,4S,6R,6aS)-6-Benzyloxycarbonylamino-2,2-dimethyl-tetrahydro-cyclopenta-1,3-dioxol-4-yloxy)-acetic acid ethyl ester((3aR,4S,6R,6aS)-6-Benzyloxycarbonylamino-2,2-dimethyl-tetrahydro-cyclopenta[1,3]dioxol-4-yloxy)-acetic acid ethyl ester

SDCN RAJSX5



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